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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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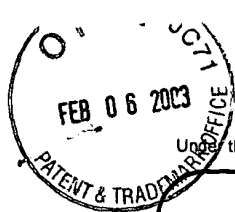
<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	09/508,552	
	<b>Filing Date</b>	June 12, 2000	
	<b>First Named Inventor</b>	Jay A. Berzofsky et al.,	
	<b>Group Art Unit</b>	1648	
	<b>Examiner Name</b>	J. Stucker	
<b>Total Number of Pages in This Submission</b>	37	<b>Attorney Docket Number</b>	015280-368200US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard, 1449 IDS (1 Reference)
<b>Remarks</b>		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.
<div style="text-align: right;"><b>RECEIVED</b> FEB 10 2003</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
<b>Firm and Individual name</b>	Townsend and Townsend and Crew LLP Brian W. Poor Reg. No. 32,928	
<b>Signature</b>		
<b>Date</b>	January 30, 2003	

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: <div style="text-align: right;">January 30, 2003</div>		
<b>Typed or printed name</b>	Ixaida Angelie Rivera	
<b>Signature</b>		<b>Date</b> January 30, 2003

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SE 5015433 v1



# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 930.00

Complete if Known

Application Number 09/508,552  
Filing Date June 12, 2000  
First Named Inventor Jay A. Berzofsky et al.  
Examiner Name Jeffrey J. Stucker  
Group Art Unit 1648  
Attorney Docket No. 015280-368200US

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FEB 10 2003

TECH CENTER 1600/2900

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ MoneyOrder ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	750	2001 375 Utility filing fee	
		1002	330	2002 165 Design filing fee	
		1003	520	2003 260 Plant filing fee	
		1004	750	2004 375 Reissue filing fee	
		1005	160	2005 80 Provisional filing fee	

SUBTOTAL (1) (\$)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fees from below	Fee Paid
	-** =		
Independent Claims	-** =		
Multiple Dependent	X		

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
		1202	18	2202 9 Claims in excess of 20
		1201	84	2201 42 Independent claims in excess of 3
		1203	280	2203 140 Multiple dependent claim, if not paid
		1204	84	2204 42 ** Reissue independent claims over original patent
		1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

**3. ADDITIONAL FEES**

Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	930.00
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$930.00)

**SUBMITTED BY**

Name (Print/Type)	Registration No. (Attorney/Agent)	Telephone
Brian W. Poor	32,928	206-467-9600

Signature *Brian W. Poor* Date January 30, 2003

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#15  
Amtdt.C  
2/25/03  
PATENT

Attorney Docket No. 015280-368200US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Jay A. Berzofsky et al.

Application No.: 09/508,552

Filed: June 12, 2000

For: MUCOSAL CYTOTOXIC T  
LYMPHOCYTE RESPONSES

Art Unit: 1648

Examiner: Jeffrey J. Stucker

**AMENDMENT AND RESPONSE**

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FEB 10 2003

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This is in response to the Official Action dated July 30, 2002. Please reconsider the claims pending in the present application in light of the following amendments and remarks.

IN THE CLAIMS:

Kindly replace claims 1, 6, 9, 11, 21, 22, 25, 27, 42, 43, 46, 49, 50-53, and 55 through 57 with the following substitute claims. An Appendix setting forth the amended claims showing all changes is provided as required under 37 CFR § 1.121(c).

1. (Amended) A method for inducing an antigen specific systemic and rectal mucosal cytotoxic T lymphocyte (CTL) response in a mammalian subject comprising contacting a rectal mucosal tissue of the subject with a composition comprising a chimeric peptide containing a first subregion with multiple overlapping helper T cell activating epitopes of a HIV

*Corrected*